



Western Regional Science Association 55th Annual Meeting

Hilton Waikoloa Village, The Big Island of Hawai'i February 14–17, 2016

Aloha! Welcome to the Big Island, where the forecast is for good weather and a great conference!

Of course with a resort like this, an island like this, and—above all—a meeting like this, you may have higher priorities than reading these introductory paragraphs. Please do read on, however, as we have lots of events planned for the next three days and the usual meeting logistics to cover. First and foremost, please take a few minutes to orient yourself to your program assignments and the meeting room layout. Unfortunately, late session changes do occur and your original scheduling may have shifted a bit. See the Program Participant Locator (pages 17–20) for guidance. In addition, the Hilton Waikoloa Village is fairly large in comparison to our usual meeting venues and our session rooms are a little dispersed. We've provided an overview map on the back page of this program. Finally, WRSA prides itself on productive, collegial sessions. Please take a look at our session etiquette guidelines on page 3.

When you picked up your program, you also received your name badge and a packet of three tickets. The tickets are valuable: keep them safe! These tickets will provide you with your first drink at the Welcoming Reception on Sunday evening and the President's Reception on Tuesday. The third ticket is required for the Annual Banquet Luncheon on Tuesday.

Our program opens with the 6th Annual Lay James Gibson Plenary Opening Session, featuring Peter Fuleky and Makena Coffman from the University of Hawaii. Following the plenary, please join us at the Lagoon Lanai for a drink (use your GREEN ticket) and some light snacks at our Welcoming Reception.

On Monday afternoon we welcome Edward Glaeser, noted urban economist, as our 4th Getis-Ord speaker. Glaeser's talk in the King's Ballroom will be followed by a reception for all session participants.

As always, Tuesday is our busy day: midday is our Annual Banquet Luncheon in the King's Ballroom (YELLOW ticket). WRSA President and past Executive Secretary, David Plane, will give his Presidential Address and the Tiebout and Springer Prizes will also be awarded (for fun, take a look at page 22 for the list of past Tiebout winners!). Tuesday evening is our main meeting social event, the President's Reception. Join us on the Ocean View Terrace—use your PINK ticket for your first drink.

All the best for a fulfilling and memorable meeting!



Sunday, 14 February

2:00–6:00 PM, **Registration** (Kohala Promenade)

3:30–5:15 PM, **Plenary Opening Session**
(King's Ballroom)

5:30–7:00 PM, **Welcoming Reception** (Lagoon Lanai)

Sunday, 3:30–5:15 PM
King's Ballroom



The 6th Annual Lay James Gibson Plenary Opening Session

Chair: Lay James GIBSON,
Univ. Arizona, Tucson, USA
and 39th WRSA President (1998–1999)

“Drivers of Hawaii's Economy in the Past, Present, and Future”

Peter FULEKY, Univ. Hawaii, Manoa, USA

Discussant: Makena COFFMAN, Univ. Hawaii, Manoa, USA



Sunday, 5:30–7:00 PM
Welcoming Reception
Lagoon Lanai

*For all participants and accompanying persons:
Everyone welcome!*



Monday, 15 February

8:00 AM–12:15 PM (and 1:30–5:30 PM), **Registration**
(Kohala Promenade)

8:30 AM–12:00 PM, **Concurrent Sessions:**

- 1A Transportation Alternatives (Kohala 1)
- 1B All About Cities (Kohala 2)
- 1C Geography of Human Capital (Kohala 3)
- 1D Gone Fishing I (Kohala 4)

8:30–10:00 AM, **WRSa Board Meeting** By invitation only
(Kona 4)

10:00–10:30 AM, **Coffee Break** (Kohala Promenade)

12:00–1:30 PM, **Lunch Break** (On your own this day)

12:15–1:30 PM, **Annals of Regional Science**

Editorial Board Meeting By invitation only
(Waikoloa 3)

1:30–5:30 PM, **Registration Continues**
(Kohala Promenade)

1:30–4:45 PM, **Concurrent Sessions:**

- 2A Infrastructure and Resources (Kohala 1)
- 2B Trade and Development (Kohala 2)
- 2C Migration (Kohala 3)
- 2D Gone Fishing II (Kohala 4)
- 2E Remote Regions I: Sources of Population Change
(Kona 1)
- 2F Housing and Urban Planning (Kona 2)
- 2G Going Green (Kona 3)

3:00–3:15 PM, **Coffee Break** (Kohala Promenade)

5:00–7:30 PM, **4th Annual Getis-Ord Lecture
in Spatial Analysis** (King's Ballroom)



Monday, 8:30 AM–12:00 PM

Paper Session 1A ~ Kohala 1

Transportation Alternatives

Chair: Se-il MUN, Kyoto Univ., Japan

8:30–9:15

**Measuring accessibility to public transit using a three-step
floating catchment area method**

Won Kyung LEE, Danjing LI, So Young SOHN, and Joon HEO,
Yonsei Univ., Korea

Discussant: Svante MANDELL, Swedish National Road and
Transport Research Inst. (VTI), Sweden

9:15–10:00

**Exploring taxi travel characteristics in a metropolitan area using
digital tachograph data: A case for Seoul**

Hyangsook LEE, Univ. Incheon, and Sangho CHOO and Jiyeon
KIM, Hongik Univ., Korea

Discussant: Xiaoyue Cathy LIU, Univ. Utah, Salt Lake City,
USA

Coffee Break: 10:00–10:30

10:30–11:15

**Bike-sharing facility expansion planning with location-allocation
modeling**

Jeffrey TAYLOR, Xiaoyue Cathy LIU, and Ran WEI, Univ. Utah,
Salt Lake City, USA

Discussant: So Young SOHN, Yonsei Univ., Korea

11:15–12:00

**A spatial analytic framework for assessing and improving food
aid distribution in developing countries**

Kathryn GRACE and Ran WEI, Univ. Utah, Salt Lake City, and
Alan MURRAY, Univ. California, Santa Barbara, USA

Discussant: Sugie LEE, Hanyang Univ., Korea



Monday, 8:30 AM–12:00 PM

Paper Session 1B ~ Kohala 2

All About Cities

Chair: Steven CRAIG, Univ. Houston, Texas, USA

8:30–9:15

The tale of two cities: Structural analysis of two rival cities

Yasuhide OKUYAMA, Univ. Kitakyushu, Japan

Discussant: Kh Md NAHIDUZZAMAN, King Fahd Univ.

Petroleum & Minerals (KFUPM), Saudi Arabia

9:15–10:00

**One country, two “urban” systems: Focusing on bimodality in
China’s city-size distribution**

Kyung-Min NAM and Xin LI, City Univ. Hong Kong

Discussant: Peter NIJKAMP, Adam Mickiewicz Univ.,
Poznan, Poland

Coffee Break: 10:00–10:30

10:30–11:15

**Urban spatial structure, employment subcenters, and freight
travel**

Marlon BOARNET, Andy HONG, and Raul SANTIAGO-
BARTOLOME, Univ. Southern California, Los Angeles, USA

Discussant: Karima KOURTIT, Royal Inst. Technology
(KTH), Stockholm, Sweden

11:15–12:00

**Creativity spillover of entrepreneurship: Creativity,
entrepreneurship and urban economic development**

Maksim BELITSKI, Univ. Reading, United Kingdom, and
Sameeksha DESAI, Indiana Univ., Bloomington, USA

Discussant: Tina WALLIN, Jönköping International Business
School, Sweden



Monday, 8:30–10:00 AM

WRSa Board Meeting

(By invitation only)

Kona 4

Convenor: Rachel FRANKLIN,

Brown Univ., Providence, Rhode Island, USA,
and WRSa Executive Director



Monday, 8:30 AM–12:00 PM
Paper Session 1C ~ Kohala 3
Geography of Human Capital

Chair: Mats L. JOHANSSON,
 Royal Inst. Technology (KTH), Sweden

8:30–9:15

Which factors drive the skill-mix of migrants in the long-run?
 Ronald INDERGAND, Univ. Pennsylvania, Philadelphia, USA,
 and Univ. Bern, Switzerland, and Andreas BEERLI, ETH Zürich,
 Switzerland

Discussant: Orsa KEKEZI, Jönköping Univ.

9:15–10:00

Integration, agglomeration, and costly adjustment of labor
 Mina KIM, U.S. Bureau Labor Statistics, USA

Discussant: Dan S. RICKMAN, Oklahoma State Univ.,
 Stillwater, USA

Coffee Break: 10:00–10:30

10:30–11:15

Discouraged worker effects in regional labor markets of Korea
 Jaewon LIM, Univ. Nevada, Las Vegas, USA

Discussant: Maki KATO, Hitotsubashi Univ., Japan

11:15–12:00

The location of immigrants in Sweden

Mikaela BACKMAN, Jönköping International Business School,
 Sweden, and Janet E. KOHLHASE, Univ. Houston, Texas, USA

Discussant: Alexandra SCHAFFAR, Univ. Toulon, France



Monday, 8:30 AM–12:00 PM
Paper Session 1D ~ Kohala 4
Gone Fishing I

Chair: Cameron SPEIR, NOAA Fisheries, California, USA

8:30–9:15

**Simulation analysis of the regional economy and water
 environmental pollutant emission for integrated river basin
 management**

Katsuhiro SAKURAI, Risho Univ., and Hiroyuki SHIBUSAWA,
 Toyohashi Univ. Technology, Japan

Discussant: Cameron SPEIR, NOAA Fisheries, California,
 USA

9:15–10:00

**Determinants of saltwater anglers' satisfaction: Regional
 perspectives in the United States**

Ayeisha BRINSON, NOAA Fisheries, Maryland, and Kristy
 WALLMO, National Oceanic and Atmospheric Administration,
 USA

Discussant: Hing Ling CHAN, Univ. Hawaii, Honolulu, USA

Coffee Break: 10:00–10:30

10:30–11:15

**Net economic impacts of recent Alaska salmon fishery failures
 and federal relief**

Chang SEUNG, NOAA Fisheries, Ben MUSE, Retired, and
 Edward WATERS, Private Consultant

Discussant: Jonathan SWEENEY, Univ. Hawaii, USA

11:15–12:00

**A comparison of regional and national values for recovering
 threatened and endangered marine species in the U.S.**

Kristy WALLMO, National Oceanic and Atmospheric
 Administration, and Dan LEW, NOAA Fisheries, USA

Discussant: Sherilyn WEE, Univ. Hawaii, Manoa, USA



Monday, 12:00–1:30 PM
Lunch Break (On your own this day)



Monday, 1:30–4:45 PM
Paper Session 2A ~ Kohala 1
Infrastructure and Resources

Chair: Paul POLZIN, Univ. Montana, Missoula, USA

1:30–2:15

Joint provision of international transport infrastructure

Se-il MUN, Kyoto Univ., Japan

Discussant: Hak-Hoon KIM, Cheongju Univ., Korea

2:15–3:00

**Economic consequences of aviation system disruptions: A
 reduced-form computable general equilibrium analysis**

Zhenhua CHEN and Adam ROSE, Univ. Southern California, Los
 Angeles, Fynn PRAGER, California State Univ., Dominguez Hills,
 and Samrat CHATTERJEE, Pacific Northwest National Lab.,
 Richland, Washington, USA

Discussant: Daisuke IKAZAKI, Japan Women's Univ., Tokyo

Coffee Break: 3:00–3:15

3:15–4:00

Crude oil price volatility spillovers into other asset classes

Bahram ADRANGI, Univ. Portland, Oregon, USA

Discussant: Sangho CHOO, Hongik Univ., Seoul, Korea

4:00–4:45

**Spatial impact of road and railroad accessibility on
 manufacturing productivity**

Yoojin YI and Euijune KIM, Seoul National Univ., Korea

Discussant: Zhenhua CHEN, Univ. Southern California, Los
 Angeles, USA

Notes on Session Format and Etiquette

- Per WRSA custom, each paper is allocated 45 minutes of Program time, inclusive of discussion.
- Authors should plan on presentations of approximately 25–30 minutes.
- Discussants should prepare about 5–10 minutes of remarks, allowing at least 10 minutes for questions from, and open discussion with, session attendees.
- Participants: Please arrive at your session 10 minutes early to make A/V preparations (i.e., load presentations onto a laptop).
- At least one of the participants needs to bring a laptop for use by presenters in the session.
- Chairs: Please do not change the order of presentations listed in the program, and please adhere to the scheduled times.
- As a courtesy to other presenters, all participants are asked to stay for the entire session. *Mahalo!*

Monday afternoon program continues on page 4...



Monday, 1:30–4:45 PM
Paper Session 2B ~ Kohala 2
Trade and Development

Chair: Suminori TOKUNAGA, Reitaku Univ., Japan

1:30–2:15

Empirical analysis of location choice for Japanese frozen food industry FDI in East Asia: Using market access and supplier access with the penetration rate of refrigerator

Maria IKEGAWA, Univ. Tsukuba, and Suminori TOKUNAGA, Reitaku Univ., Japan

Discussant: James JONES, Univ. Hawaii, Manoa, USA

2:15–3:00

Nowcasting tourism industry performance using high frequency covariates

Ashley HIRASHIMA, James JONES, Carl S. BONHAM, and Peter FULEKY, Univ. Hawaii, Manoa, USA

Discussant: Therese NORMAN, Jönköping International Business School, Sweden

Coffee Break: 3:00–3:15

3:15–4:00

Exporters' innovativeness and complementarity in labour diversity

Tina WALLIN, Jönköping International Business School, Sweden

Discussant: Eric J. HEIKKILA, Univ. Southern California, Los Angeles, USA

4:00–4:45

Preferences, co-production externalities, and club-splitting

Eric J. HEIKKILA, Univ. Southern California, Los Angeles, USA

Discussant: Jun OSHIRO, Okinawa Univ., Japan



Monday, 1:30–4:45 PM
Paper Session 2C ~ Kohala 3
Migration

Chair: Charlotta MELLANDER,
 Jönköping International Business School, Sweden

1:30–2:15

Applied multiregional demography: Requiem for the prevalence rate

Andrei ROGERS, Univ. Colorado, Boulder, USA

Discussant: Jaewon LIM, Univ. Nevada, Las Vegas, USA

2:15–3:00

Migration, commuting links and the North-South divide in Sweden

Mats L. JOHANSSON, Royal Inst. Technology (KTH), Sweden

Discussant: Janet E. KOHLHASE, Univ. Houston, Texas, USA

Coffee Break: 3:00–3:15

3:15–4:00

Elderly migration in France

Michel DIMOU and Alexandra SCHAFFAR, Univ. Toulon, and El Mouhoub MOUHOUD, Univ. Paris Dauphine, France

Discussant: Ronald INDERGAND, Univ. Pennsylvania, Philadelphia, USA, and Univ. Bern, Switzerland

4:00–4:45

The returns to migration and human capital accumulation pathways: Non-metropolitan youth in the school-to-work transition

Francisco ROWE, Jonathan CORCORAN, and Martin BELL, Univ. Queensland, Brisbane, Australia

Discussant: Mina KIM, U.S. Bureau Labor Statistics, USA



Monday, 1:30–4:45 PM
Paper Session 2D ~ Kohala 4
Gone Fishing II

Chair: Chang SEUNG, NOAA Fisheries

1:30–2:15

How do fishery policies affect Hawaii's longline fishing industry?

Calibrating a positive mathematical programming model

Jonathan SWEENEY, Univ. Hawaii, Richard E. HOWITT, Univ. California, Davis, Hing Ling CHAN, Univ. Hawaii, Honolulu, Minling PAN, National Oceanic and Atmospheric Admin., and PingSun LEUNG, Univ. Hawaii, Manoa, USA

Discussant: Katsuhiko SAKURAI, Risho Univ., Japan

2:15–3:00

Spillover effects of environmental regulation for sea turtle protection in the Hawaii longline swordfish fishery

Hing Ling CHAN, Univ. Hawaii, Honolulu, and Minling PAN, National Oceanic and Atmospheric Admin., USA

Discussant: Kristy WALLMO, National Oceanic and Atmospheric Admin., USA

Coffee Break: 3:00–3:15

3:15–4:00

Locational dynamics of natural resource-based industries: A shift-share analysis of U.S. West Coast fishing ports

Cameron SPEIR, NOAA Fisheries, California, Jon G. SUTINEN, Univ. Rhode Island, and Caroline POMEROY, California Sea Grant, USA

Discussant: Ayeisha BRINSON, NOAA Fisheries, Maryland, USA

4:00–4:45

Achieving sustainability in irrigated systems: Modeling groundwater quantity-quality tradeoffs in agricultural production

Richard E. HOWITT, Univ. California, Davis, and Duncan

MACEWAN, ERA Economics, Davis, California, USA

Discussant: Brian H.S. Hong Sok KIM, Seoul National Univ., Korea





Monday, 1:30–4:45 PM

Paper Session 2E ~ Kona 1

Remote Regions I: Sources of Population Change

Chair: Han DONKER, Univ. Alaska, Anchorage, USA

1:30–2:15

Population ageing in northern Australia: We didn't (want to) see that coming!

Andrew TAYLOR, Charles Darwin Univ., Australia

Discussant: Bonita BEATTY, Univ. Saskatchewan, Saskatoon, Canada

2:15–3:00

Birth order and rural-urban migration in 19th century Norway

Sindre MYHR, Univ. Tromsø, Norway

Discussant: Han DONKER, Univ. Alaska, Anchorage, USA

Coffee Break: 3:00–3:15

3:15–4:00

Migration dynamics in new economic geography: A review of the literature and suggestions for further study

Stein ØSTBYE, Uit Arctic Univ. Norway, Tromsø

Discussant: Pierre-Marcel DESJARDINS, Univ. Moncton, Canada

4:00–4:45

Challenges in the administrative organization of spatial planning in Greenland

Rasmus Ole RASMUSSEN, Nordic Centre Spatial Devt.

(NORDREGIO), Sweden

Discussant: Lee HUSKEY, Univ. Alaska, Anchorage, USA



Monday, 1:30–4:45 PM

Paper Session 2F ~ Kona 2

Housing and Urban Planning

Chair: Marlon BOARNET, Univ. Southern California,

Los Angeles, USA

1:30–2:15

Regional housing supply elasticity in China 1999–2013: A spatial equilibrium analysis

Dan S. RICKMAN and Hongbo WANG, Oklahoma State Univ., Stillwater, USA

Discussant: Xin LI, City Univ. Hong Kong

2:15–3:00

Measuring foreclosure impact mitigation

Xian F. BAK and Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

Discussant: YongJin AHN, Daegu Univ., Korea

Coffee Break: 3:00–3:15

3:15–4:00

Two-stage spatial hedonic model on newly built condominiums in the Tokyo housing market

Takahisa YOKOI, Tohoku Univ., and Haruhisa ISHIZUKA, Japan Real Estate Inst.

Discussant: Yasuhide OKUYAMA, Univ. Kitakyushu, Japan

4:00–4:45

Urban facebooks as digital planning and marketing tools in the "New Urban World"

Peter NIJKAMP, Adam Mickiewicz Univ., Poznan, Poland, and Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden

Discussant: Toni DURAS, Jönköping International Business School, Sweden



Monday, 1:30–4:00 PM

Paper Session 2G ~ Kona 3

Going Green

Chair: Matthias RUTH, Northeastern Univ.,

Boston, Massachusetts, USA

1:30–2:15

Household energy elasticities: GB and its regions

Stuart McINTYRE, Strathclyde Univ., Glasgow, United Kingdom

Discussant: Juita-Elena (Wie) YUSUF, Old Dominion Univ., Virginia, USA

2:15–3:00

Electric vehicles and residential solar PV

Makena COFFMAN, Paul BERNSTEIN, and Sherilyn WEE, Univ. Hawaii, Manoa, USA

Discussant: Tun-Yen WANG, Kyoto Univ., Japan

Coffee Break: 3:00–3:15

3:15–4:00

Convergence of cross-province energy intensity in China

Lei JIANG and Henk FOLMER, Univ. Groningen, The

Netherlands, and Minhe JI, East China Normal Univ.

Discussant: John CARRUTHERS, George Washington Univ., Washington, DC, USA

Monday, 5:00–7:30 PM

King's Ballroom

4th Annual

Getis-Ord Lecture in Spatial Analysis

Chair: Arthur GETIS, San Diego State Univ., California, USA

Politics and Transportation

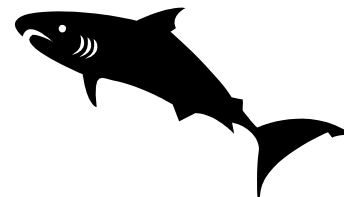
Edward GLAESER, Harvard Univ., Cambridge, Massachusetts, USA

Discussant:

Martin ANDERSSON, Lund Univ., Sweden

A reception will follow the lecture

All session attendees welcome!



Tuesday program can be found on page 6...



Tuesday, 16 February

8:00 AM–12:15 PM (and 2:15–6:00 PM), **Registration**
(Kohala Promenade)

8:30 AM–12:00 PM, **Concurrent Sessions:**

- 3A Transportation, Land Use, and the Built Environment (Kohala 1)
- 3B Industry and Economic Development (Kohala 2)
- 3C Mobility: City Mouse, Country Mouse (Kohala 3)
- 3D The Urban Environment (Kohala 4)
- 3E Remote Regions II: Improving Benefits from Resource Development in the North -- ReSDA I (Kona 1)
- 3F Climate Change, Climate Policy (Kona 2)
- 3G Valuing Residential Land (Kona 3)
- 3H Firms and Economic Evolution (Kona 4)

10:00–10:30 AM, **Coffee Break** (Kohala Promenade)

12:15–2:15 PM, **Annual Banquet Luncheon**
(King's Ballroom)

2:15–6:00 PM, **Registration Continues**
(Kohala Promenade)

2:30–5:45 PM, **Concurrent Sessions:**

- 4A Trade and Investment (Kohala 1)
- 4B Methods and Measurements (Kohala 2)
- 4C Employment and Labor Force Participation (Kohala 3)
- 4D Urban and Regional Change (Kohala 4)
- 4E Remote Regions III: Improving Benefits from Resource Development in the North -- ReSDA II (Kona 1)
- 4F Geography of Economic Activity (Kona 2)
- 4G Cities, Neighborhoods, and Interaction (Kona 3)

4:00–4:15 PM, **Coffee Break** (Kohala Promenade)

6:00–7:30 PM, **President's Reception**
(Ocean View Terrace)



Tuesday, 8:30 AM–12:00 PM

Paper Session 3A ~ Kohala 1

Transportation, Land Use, and the Built Environment

Chair: Tschangho John KIM, Univ. Illinois,
Urbana-Champaign, USA

8:30–9:15

Critical juncture: A methodological framework to understand the relationship between e-commerce and land use transition

Kh Md NAHIDUZZAMAN and Adel S. ALDOSARY, King Fahd Univ. Petroleum and Minerals, Saudi Arabia

Discussant: Yoojin YI, Seoul National Univ., Korea

9:15–10:00

Congestion charges under uncertain transport demand

Svante MANDELL, Swedish National Road and Transport Research Inst. (VTI), and Björn CARLEN, NIER, Sweden

Discussant: John CHO, Southern California Assoc. Governments, Los Angeles, USA

Coffee Break: 10:00–10:30

10:30–11:15

Environmental determinants of active transportation for short trips

Jeongwoo LEE, Univ. Ulsan, Korea

Discussant: Ran WEI, Univ. Utah, Salt Lake City, USA

11:15–12:00

The influence of built environment on asthma hotspots

Dohyung KIM, California State Polytechnic Univ., Pomona, Simon CHOI, Southern California Assoc. Governments, Los Angeles, and Chunggeun KOO, Claremont Graduate Univ., California, USA

Discussant: Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA



Tuesday, 8:30 AM–12:00 PM

Paper Session 3B ~ Kohala 2

Industry and Economic Development

Chair: Kingsley HAYNES, George Mason Univ.,
Fairfax, Virginia, USA

8:30–9:15

Tourism, Las Vegas, and The Hangover: Quantifying a major motion picture's impacts on visitor volume

Karl R. GEISLER, New Mexico State Univ., Las Cruces, USA

Discussant: Neil REID, Univ. Toledo, Ohio, USA

9:15–10:00

Optimal location for the growth of wholesale activity: The importance of accessibility and agglomeration

Therese NORMAN, Jönköping International Business School, Sweden

Discussant: Ashley HIRASHIMA, Univ. Hawaii, Manoa, USA

Coffee Break: 10:00–10:30

10:30–11:15

Determinants of industrial agglomeration of high-technology manufacturing sector

Youngjin WOO and Euijune KIM, Seoul National Univ., Korea

Discussant: Kingsley HAYNES, George Mason Univ.,
Fairfax, Virginia, USA

11:15–12:00

Real-time tourism conditions index

James JONES, Ashley HIRASHIMA, Carl S. BONHAM, and Peter FULEKY, Univ. Hawaii, Manoa, USA

Discussant: Sofia WIXE, Jönköping International Business School, Sweden





Tuesday, 8:30 AM–12:00 PM
Paper Session 3C ~ Kohala 3

Mobility: City Mouse, Country Mouse

Chair: Michel DIMOU, Univ. Toulon, France

8:30–9:15

Residential segregation, built environment and commuting behavior of rural migrant workers in China

Pengyu ZHU, Masdar Inst. Science and Technology, Abu Dhabi, UAE

Discussant: Hualou LONG, Chinese Academy of Sciences

9:15–10:00

The spatial variations of commuting patterns and its determinant factors: The case of the Metropolitan Atlanta Region (2000–2010)

Sugie LEE, Hanyang Univ., Sungmoon KWON, Suwon Development Inst., and JaeHyun HA, Hanyang Univ., Korea

Discussant: SeongWoo LEE, Seoul National Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15

Migrant attractive power of shale gas development in the USA

Isha RAJBHANDARI, Alessandra FAGGIAN, and Mark D. PARTRIDGE, Ohio State University, Columbus, USA

Discussant: Pengyu ZHU, Masdar Inst. Science and Technology, Abu Dhabi, UAE

11:15–12:00

Beggar-thy-neighbour tax cuts: Mobility after a local income and wealth tax reform in Switzerland

Isabel Z. MARTINEZ, Univ. California, Berkeley, USA and Univ. St. Gallen, Switzerland

Discussant: Esteban A. LOPEZ OCHOA, Univ. Illinois, Urbana-Champaign, USA



Tuesday, 8:30 AM–12:00 PM
Paper Session 3D ~ Kohala 4

The Urban Environment

Chair: Yoshiro HIGANO, Univ. Tsukuba, Japan

8:30–9:15

Vital signs of cities -- Temperature, population, economy and environment

Matthias RUTH and Binita K.C., Northeastern Univ., Boston, Massachusetts, USA

Discussant: Makena COFFMAN, Univ. Hawaii, Manoa, USA

9:15–10:00

The benefits of green space in the Seoul metropolitan area

John CARRUTHERS, George Washington Univ., Washington, DC, USA

Discussant: Alan MURRAY, Univ. California, Santa Barbara, USA

Coffee Break: 10:00–10:30

10:30–11:15

Operationalizing happiness: Adding a dimension of sustainability to city and regional planning

Donald MILLER, Univ. Washington, Seattle, USA

Discussant: James W. LIGHTBODY, Univ. Alberta, Edmonton, Canada

11:15–12:00

Recognizing calculated inertia as public policy in city-regions: Dispositional immobility and non-decisions

James W. LIGHTBODY, Univ. Alberta, Edmonton, Canada

Discussant: Qisheng PAN, Texas Southern Univ., Houston, USA



Tuesday, 8:30 AM–12:00 PM
Paper Session 3E ~ Kona 1

Remote Regions II: Improving Benefits from Resource Development in the North -- ReSDA I

Chair: Greg PROTASEL, Univ. Alaska, Anchorage, USA

8:30–9:15

An Arctic Development Strategy? The North Slope Borough confronts the resource curse

Lee HUSKEY, Univ. Alaska, Anchorage, USA

Discussant: Ciaran O'FAIRCHEALLAIGH, Griffith Univ., Australia

9:15–10:00

The application of a cultural carrying capacity approach to regional planning in northern Canada

David NATCHER, Univ. Saskatchewan, Saskatoon, Canada

Discussant: Andrey N. PETROV, Univ. Northern Iowa, Cedar Falls, USA

Coffee Break: 10:00–10:30

10:30–11:15

Fixing the leaks: Changing linkages and leakages from mining in Canada's North

Chris SOUTHCOTT, Lakehead Univ., Canada

Discussant: Brenda PARLEE, Univ. Alberta, Edmonton, Canada

11:15–12:00

From narrative to evidence: Resource development in remote Inuit communities of Canada

Thierry RODON, Univ. Laval, Canada

Discussant: Greg PROTASEL, Univ. Alaska, Anchorage, USA

And Now For Something Completely Different...Our 2017 Meeting...

Just when all that sunny, warm weather at WRSA annual meetings was starting to pall, we switch it up for something new. Next year, for our 56th annual meeting, WRSA heads back to Santa Fe, New Mexico, and the La Fonda on the Plaza hotel. Our more longtime members will recall the La Fonda. We met here in 2006 for our 45th annual meeting (and hosted the 45th North American Meetings of the RSAI in 1998 here, too). The hotel is recently renovated, but maintains its historical charm and its top location: from the La Fonda, restaurants, tourist sites, and entertainment are all within easy walking distance.

Our meeting dates for next year's meeting are Wednesday, February 15, to Saturday, February 18. That is, the meeting will open with the plenary session on Wednesday and will be followed by three days of sessions on Thursday, Friday, and Saturday. We have an excellent room rate next year: \$149 per night (plus taxes), including room internet and parking (for those driving). The hotel is also waiving its resort fee.

Further meeting details will be shared in the months to come. Most importantly, remember WRSA tradition: only full papers are considered for inclusion on the program and the initial submission deadline is October 15, 2016!

Tuesday morning program continues on page 8...



Tuesday, 8:30 AM–12:00 PM
Paper Session 3F ~ Kona 2
Climate Change, Climate Policy

Chair: Henk FOLMER, Univ. Groningen, The Netherlands

8:30–9:15

Greenhouse tax and clean energy policy in Japan's carbon emission target for 2030: Input-output analysis based assessment

Tun-Yen WANG and Masahiko NAKAZAWA, Kyoto Univ., and Go KOTERA, Policy Research Inst., Ministry of Finance, Japan

Discussant: Minsu SON, Seoul National Univ., Korea

9:15–10:00

Assessment of regional adaptation readiness and barriers to adaptation: Perspectives of experts and the experienced

Burton ST. JOHN and Juita-Elena (Wie) YUSUF, Old Dominion Univ., Virginia, USA

Discussant: Kwansoo KIM, Seoul National Univ., Korea

Coffee Break: 10:00–10:30

10:30–11:15

Regional effect of the crop virus caused by the climate change: Case study of tomato Yellow Leaf Curl virus

Jiyeon YOON, Soyeon KIM, Kwansoo KIM, Donghwan AN, and Brian H.S. Hong Sok KIM, Seoul National Univ., Korea

Discussant: Kyung-Min NAM, Univ. Hong Kong

11:15–12:00

Quantifying income losses by Hurricane Sandy

Minsu SON, Seoul National Univ., Korea, JiYoung PARK, State Univ. New York, Buffalo, and Changkeun PARK, Univ. Georgia, Athens, USA

Discussant: Barry SOLOMON, Michigan Tech. Univ., Houghton, USA



Tuesday, 8:30 AM–12:00 PM
Paper Session 3G ~ Kona 3
Valuing Residential Land

Chair: Jack OSMAN, San Francisco State Univ., California, USA

8:30–9:15

Development pressures and land use conflicts in Hawaii

Luciano MINERBI, Univ. Hawaii, USA

Discussant: Jack OSMAN, San Francisco State Univ., California, USA

9:15–10:00

Do area-based intervention programs affect house prices? A quasi-experimental approach

Kristin AARLAND, Oslo and Akershus Univ., and Liv A. OSLAND and Arnstein GJESTLAND, Stord/Haugesund Univ. College, Norway

Discussant: Takahisa YOKOI, Tohoku Univ., Japan

Coffee Break: 10:00–10:30

10:30–11:15

Relationship between street-connectivity and multi-family residential parcel values: Comparison of two urban development projects in Korea

YongJin AHN, Daegu Univ., Korea

Discussant: Xian F. BAK, Univ. Illinois, Urbana-Champaign, USA

11:15–12:00

The effect of residential solar photovoltaic systems on home value: A case study of Hawai'i

Sherilyn WEE, Univ. Hawaii, Manoa, USA

Discussant: Wei KANG, Arizona State Univ., Tempe, USA



Tuesday, 8:30 AM–12:00 PM
Paper Session 3H ~ Kona 4
Firms and Economic Evolution

Chair: Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

8:30–9:15

Challenging forced relocation: Brinkmanship behavior and socio-emotional wealth protection

Céline SMITH, EM Lyon, France, and Mattias NORDQVIST, Jönköping International Business School, Sweden

Discussant: Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

9:15–10:00

Learning regions, clusters and resiliency: A typology of regional and cluster dynamics

Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

Discussant: Waldemar Jerzy RATAJCZAK, Adam Mickiewicz Univ., Poznan, Poland

Coffee Break: 10:00–10:30

10:30–11:15

Firm collaboration and regional innovation networks

Sara JOHANSSON and Lina BJERKE, Jönköping International Business School, Sweden

Discussant: Stuart McINTYRE, Strathclyde Univ., Glasgow, United Kingdom

11:15–12:00

Economic restructure posed by emerging IoT era

Osamu SUGIMOTO, Keio Univ., and Ryota ITABASHI and Asao ANDO, Tohoku Univ., Japan

Discussant: Bahram ADRANGI, Univ. Portland, Oregon, USA

**Many Thanks to the 2015–2016
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Tuesday, 12:15–2:15 PM
Annual Banquet Luncheon

King's Ballroom

(For all registered and paid participants; tickets required)

Chair: Serge REY
 Arizona State Univ., Tempe, USA
 and 55th WRSA President (2014–2015)

Announcements:

Rachel FRANKLIN, WRSA Executive Director

The 20th Springer-Verlag Prize:
 Martin ANDERSSON, Euijune KIM,
 and Janet E. KOHLHASE
 Editors, *The Annals of Regional Science*

The 30th Charles M. Tiebout Prize:
 Presented by: Hans WESTLUND
 Chair 2015–2016 Reading Committee
 54th WRSA President (2013–2014)

NARSC Award Presentation:
 Neil REID, Univ. Toledo, Ohio, USA
 NARSC Executive Director

Presidential Address:

Regional Science in a More/Less World
 David A. PLANE, 57th WRSA President (2016–2017)

Discussant:

Gordon MULLIGAN, Univ. Arizona, Tucson, USA



Tuesday, 2:30–5:45 PM
Paper Session 4A ~ Kohala I
Trade and Investment

Chair: Osamu SUGIMOTO, Keio Univ., Japan

2:30–3:15

Input-Output linkages of Japanese affiliates in Mexico within NAFTA

Keisuke KONDO, Research Inst. Economy, Trade and Industry, Japan

Discussant: Yuko AKUNE, Reitaku Univ., Japan

3:15–4:00

Going the distance: Estimating the effect of provincial borders on trade when geography (and everything else) matters

Robby BEMROSE and Mark BROWN, Statistics Canada, Ottawa, and Jesse TWEEDLE, Univ. Calgary, Canada

Discussant: Euijune KIM, Seoul National Univ., Korea

Coffee Break: 4:00–4:15

4:15–5:00

Market and supplier access and location choice of Japanese FDI in East Asia

Suminori TOKUNAGA, Reitaku Univ., Maria IKEGAWA, Univ. Tsukuba, and Yuko AKUNE, Reitaku Univ., Japan

Discussant: Irving LLAMOSAS-ROSAS, Univ. Guadalajara, Mexico

5:00–5:45

Trade liberalization and regional productivity growth: Some lessons from Mexico's northern border manufacturing after 20 years

Adrian DE LEON ARIAS and Irving LLAMOSAS-ROSAS, Univ. Guadalajara, Mexico

Discussant: Youngjin WOO, Seoul National Univ., Korea



Tuesday, 2:30–5:45 PM
Paper Session 4B ~ Kohala 2
Methods and Measurements

Chair: Arthur GETIS, San Diego State Univ., California, USA
 2:30–3:15

Comparative analysis of evaluation methods for project proposals

Tschangho John KIM, Univ. Illinois, Urbana-Champaign, USA
 Discussant: Donald MILLER, Univ. Washington, Seattle, USA

3:15–4:00

A comparison of tests for spatial effects in discrete Markov chain models of regional income distribution dynamics

Wei KANG and Serge REY, Arizona State Univ., Tempe, USA

Discussant: Arthur GETIS, San Diego State Univ., California, USA

Coffee Break: 4:00–4:15

4:15–5:00

Multidimensionality of Social Space and Multivariate Functional Principal Components Analysis (MFPCA)

Mirosław KRZYŚKO, Peter NIJKAMP, Waldemar Jerzy RATAJCZAK, and Waldemar WOŁYŃSKI, Adam Mickiewicz Univ., Poznań, Poland

Discussant: Rafael GONZALEZ-VAL, Univ. Zaragoza and Inst. d'Economia de Barcelona (IEB), Spain

5:00–5:45

Does fiscal decentralization promote economic growth?: An extended Granger-causality test for Korea's province and city-level panel datasets

Min-Gean PARK, Rutgers Univ., New Jersey, USA, Soonae PARK, Seoul National Univ., Korea, and Kyung-Min NAM, Univ. Hong Kong, China

Discussant: Suho BAE, Sungkyunkwan Univ., Seoul, Korea



Tuesday afternoon program continues on page 10...



Tuesday, 2:30–5:45 PM
Paper Session 4C ~ Kohala 3
Employment and Labor Force Participation

Chair: Hans WESTLUND,
 Jönköping International Business School, Sweden

2:30–3:15

Regional differences in the university advancement ratio for women in contemporary Japan

Maki KATO, Hitotsubashi Univ., Japan

Discussant: Isabel Z. MARTINEZ, Univ. California, Berkeley, USA, and Univ. St. Gallen, Switzerland

3:15–4:00

Matching models of unemployed job searchers

Jouke VAN DIJK, Univ. Groningen, The Netherlands

Discussant: Isha RAJBHANDARI, Ohio State University, Columbus, USA

Coffee Break: 4:00–4:15

4:15–5:00

A regional analysis on female labor market participation in Japan

Akiko SAKANISHI, Nara Prefectural Univ., Japan

Discussant: Jouke VAN DIJK, Univ. Groningen, The Netherlands

5:00–5:45

Measuring the effects of job competition and matching on employment accessibility

Qisheng PAN and Zhonghua JIN, Texas Southern Univ., USA

Discussant: Emelie VÄRJA, Örebro Univ., Sweden



Tuesday, 2:30–5:45 PM
Paper Session 4D ~ Kohala 4
Urban and Regional Change

Chair: Gordon MULLIGAN, Univ. Arizona, Tucson, USA

2:30–3:15

Urban renewal, residential mobility and location choice as a product of housing displacement: An ex ante analysis

Esteban A. LOPEZ OCHOA, Univ. Illinois, Urbana-Champaign, USA

Discussant: Kristin AARLAND, Oslo and Akershus Univ., Norway

3:15–4:00

Analyzing the impact of Transit Oriented Development on gentrification and displacement—incorporating margins of error of the American Community Survey

John CHO, Frank WEN, and Simon CHOI, Southern California

Assoc. Governments, Los Angeles, USA

Discussant: Jeongwoo LEE, Univ. Ulsan, Korea

Coffee Break: 4:00–4:15

4:15–5:00

Land consolidation and spatial restructuring in rural China

Hualou LONG, Chinese Academy of Sciences

Discussant: Simon CHOI, Southern California Assoc. Governments, Los Angeles, USA

5:00–5:45

Transportation infrastructure and economic growth in China: A meta-analysis

Zhenhua CHEN, Univ. Southern California, Los Angeles, and Kingsley HAYNES, George Mason Univ., Fairfax, Virginia, USA

Discussant: Mark D. PARTRIDGE, Ohio State University, Columbus, USA



Tuesday, 2:30–5:45 PM
Paper Session 4E ~ Kona 1
Remote Regions III: Improving Benefits from Resource Development in the North -- ReSDA II

Chair: Chris SOUTHCOTT, Lakehead Univ., Canada

2:30–3:15

Using revenues from Indigenous Impact Benefit Agreements

Ciaran O'FAIRCHEALLAIGH, Griffith Univ., Australia

Discussant: Chris SOUTHCOTT, Lakehead Univ., Canada

3:15–4:00

Avoiding the resource curse: A capital approach

Brenda PARLEE, Univ. Alberta, Edmonton, Canada

Discussant: David NATCHER, Univ. Saskatchewan, Saskatoon, Canada

Coffee Break: 4:00–4:15

4:15–5:00

The best indicators for the socio-economic monitoring of extractive industry developments in northern communities

Andrey N. PETROV, Univ. Northern Iowa, Cedar Falls, USA

Discussant: Thierry RODON, Univ. Laval, Canada

5:00–5:45

Yukon mining community participation in mining: A mobility companion guide for early career workers

Gertrude SAXINGER, Univ. Vienna, Austria

Discussant: Prescott C. ENSIGN, Wilfrid Laurier Univ., Waterloo, Ontario, Canada



Tuesday, 2:30–5:45 PM
Paper Session 4F ~ Kona 2
Geography of Economic Activity

Chair: Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

2:30–3:15

Inter-metropolitan location patterns of craft breweries in the United States

Ralph B. McLAUGHLIN, Trulia, Inc., and Neil REID and Michael MOORE, Univ. Toledo, Ohio, USA

Discussant: Mattias NORDQVIST, Jönköping International Business School, Sweden

3:15–4:00

Geographic concentration of food industry in Japan

Yuko AKUNE and Suminori TOKUNAGA, Reitaku Univ., and

Ryohei NAKAMURA, Okayama Univ., Japan

Discussant: Donna J. LEE, Univ. Hawaii, USA

Coffee Break: 4:00–4:15

4:15–5:00

When IKEA enters: Do local retailers win or lose?

Sven-Olov DAUNFELDT and Oana MIHAESCU, Dalarna Univ.,

Helena Annika Klara NILSSON, Jönköping International Business School, and Niklas RUDHOLM, Dalarna Univ., Sweden

Discussant: Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

5:00–5:45

The effects of regional concentration of production on vegetable price variations

Kwansoo KIM, Yonghyun HA, and Donghwan AN, Seoul National Univ., Korea

Discussant: Lina BJERKE, Jönköping International Business School, Sweden



Tuesday, 2:30–5:45 PM
Paper Session 4G ~ Kona 3

Cities, Neighborhoods, and Interaction

Chair: Alessandra FAGGIAN, Ohio State Univ., Columbus, USA
2:30–3:15

A nationwide comparison of racial segregation in metropolitan regions: What can be learned from a social interaction approach?
Steven FARBER, Nate WESSEL, and Jielan XU, Univ. Toronto, Canada

Discussant: Yiming WANG, Univ. College London, United Kingdom

3:15–4:00

Amenity based income sorting within cities: Using geo-coded data from Stockholm Metropolitan Region

Özge ÖNER, Jönköping International Business School, and Fredrik ANDERSSON, Research Inst. Industrial Economics, Sweden

Discussant: Alessandra FAGGIAN, Ohio State Univ., Columbus, USA

Coffee Break: 4:00–4:15

4:15–5:00

City diversity and neighborhood specialization - How economies of localization and urbanization coexist

Martin ANDERSSON, Lund Univ., Johan P. LARSSON, Jönköping International Business School, and Joakim LUNDBLAD, Lund Univ., Sweden

Discussant: Olle WESTERLUND, Umeå Univ., Sweden

5:00–5:45

The impact of housing age on residential mobility: Empirical evidence from the 100 U.S. metropolitan areas, 2000 to 2012
JaeHee HWANG, SeongWoo LEE, and HanNa PARK, Seoul National Univ., Korea

Discussant: Rachel S. FRANKLIN, Brown Univ., Providence, Rhode Island, USA



Tuesday, 6:00–7:30 PM
Ocean View Terrace
President's Reception

For all participants and accompanying persons

With the generous support of John Paul Jones III,
Dean of the College of Social and Behavioral Sciences,
and the School of Geography and Regional Development
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Western Regional Science Association

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* *ex officio*, *Annals* editors

Wednesday program can be found on page 12...



Wednesday, 17 February

7:30 AM–12:15 PM, **Registration** (Kohala Promenade)

8:00 or 8:45 AM–12:15 PM, **Concurrent Sessions:**

- 5A Regions and Development (Kohala 1)
- 5B Defining Growth and Success (Kohala 2)
- 5C Demography Matters (Kohala 3)
- 5D The Keith Schwer Memorial Western States Economic Outlook (Kohala 4)
- 5E Remote Regions IV: Governance, Culture and Development (Kona 1)
- 5F Location in Space: Applications (Kona 2)
- 5G Policy, Place, and the Environment (Kona 3)

10:15–10:45 AM, **Coffee Break** (Kohala Promenade)

12:15–1:30 PM, **Lunch Break** (On your own this day)

1:30–5:00 or 5:45 PM, **Concurrent Sessions:**

- 6A Entrepreneurship (Kohala 1)
- 6B Regional Science Academy (Kohala 2)
- 6C Graduate Migration (Kohala 3)
- 6D The Quantified City (Kohala 4)
- 6E Dealing With Disasters (Kona 1)
- 6F Location in Space: Methods (Kona 2)
- 6G WERA-1018 Paper Session (Kona 3)
- 6H Regional Fiscal Issues (Kona 4)

3:00–3:30 PM, **Coffee Break** (Kohala Promenade)

(5:45 PM, **End of Conference**)



Wednesday, 8:45 AM–12:15 PM

Paper Session 5A ~ Kohala 1

Regions and Development

Chair: Kh Md NAHIDUZZAMAN, King Fahd Univ.
Petroleum & Minerals (KFUPM), Saudi Arabia

8:45–9:30

Industry clusters and regional economic performance: A study across U.S. Metropolitan Statistical Areas

Timothy SLAPER, Karter M. HARMON, and Barry RUBIN,
Indiana Univ., Bloomington, USA

Discussant: Laurie A. SCHINTLER, George Mason Univ.,
Fairfax, Virginia, USA

9:30–10:15

Problem regions and regional problems of socio-economic development in China: A perspective from the coordinated development of industrialization, informatization, urbanization and agricultural modernization

Li YURUI, Wang JING, Chen YUFU, Yansui LIU, and Hualou LONG, Chinese Academy of Sciences

Discussant: Michael FARRELL, Univ. Québec, Trois-
Rivières, Canada

Coffee Break: 10:15–10:45

10:45–11:30

The interregional impact of a balanced budget regional fiscal expansion: No detriment, no danger

Peter G. MCGREGOR, Patrizio LECCA, and Kim SWALES,
Strathclyde Univ., Glasgow, United Kingdom

Discussant: Martin NORDSTRÖM, Örebro Univ., Sweden

11:30–12:15

Regional productivity growth in the European Union during the recent crisis: The role of spatial externalities and nonlinearities

Antonella BELLINO and Donata FAVARO, Univ. Padova, Italy

Discussant: David HUGHES, Univ. Tennessee, Knoxville,
USA



Wednesday, 8:45 AM–12:15 PM

Paper Session 5B ~ Kohala 2

Defining Growth and Success

Chair: Mark BROWN, Statistics Canada, Ottawa

8:45–9:30

Are the most productive regions necessarily the most successful?

Mark D. PARTRIDGE, Alexandra A. TSVETKOVA, and Michael BETZ, Ohio State Univ., Columbus, USA

Discussant: Mark BROWN, Statistics Canada, Ottawa

9:30–10:15

The role of interregional and inter-sectoral knowledge spillovers on regional knowledge creation across U.S. metropolitan counties

Dongwoo KANG, Korea Labor Inst., Korea, and Sandy DALL ERBA, Univ. Illinois, Urbana-Champaign, USA

Discussant: Helena Annika Klara NILSSON, Jönköping
International Business School, Sweden

Coffee Break: 10:15–10:45

10:45–11:30

Agglomeration of economic activity and the performance of knowledge intensive business services

Orsa KEKEZI, Jönköping Univ. and Johan KLAESSON,
Jonkoping International Business School

Discussant: Peter GORDON, Univ. Southern California, Los
Angeles, USA

11:30–12:15

Migration and lobbying in a two region economy

Daisuke IKAZAKI, Japan Women's Univ., Tokyo

Discussant: Eric J. HEIKKILA, Univ. Southern California,
Los Angeles, USA





Wednesday, 8:00 AM–12:15 PM
Paper Session 5C ~ Kohala 3
Demography Matters

Chair: David A. PLANE, Univ. Arizona, Tucson, USA

8:00–8:45

Regional unemployment, marriage, and divorce

Rafael GONZALEZ-VAL, Univ. Zaragoza and Inst. d'Economia de Barcelona (IEB), and Miriam MARCÉN, Univ. Zaragoza, Spain

Discussant: Akiko SAKANISHI, Nara Prefectural Univ., Japan

8:45–9:30

Youth age characteristics as precursors of power couple formation and location choice

Sofia TANO, Umeå Univ., Sweden, Robert A. NAKOSTEEN, Univ. Massachusetts, Amherst, USA, Olle WESTERLUND, Umeå Univ., Sweden, and Michael A. ZIMMER, Univ. Evansville, Indiana, USA

Discussant: Angelina Zhi Rou TANG, Univ. Queensland, Brisbane, Australia

9:30–10:15

Does it pay to go the extra mile? The mediating effect of moving distance on economic gains from migration

Thomas NIEDOMYSL and Martin ANDERSSON, Lund Univ., Sweden

Discussant: Jonathan CORCORAN, Univ. Queensland, Brisbane, Australia

Coffee Break: 10:15–10:45

10:45–11:30

Driving over the life course: The mobility of Canada's Millennial, Gen X, Gen Y and older generations

K. Bruce NEWBOLD, McMaster Univ., Hamilton, Ontario, Canada

Discussant: David A. PLANE, Univ. Arizona, Tucson, USA

11:30–12:15

Divorce and the business cycle: A cross-country analysis

Rafael GONZALEZ-VAL, Univ. Zaragoza and Inst. d'Economia de Barcelona (IEB), and Miriam MARCÉN, Univ. Zaragoza, Spain

Discussant: Lina AHLIN, Lund Univ., Sweden



Wednesday, 8:45 AM–10:15 AM
Panel Session 5D ~ Kohala 4
The Keith Schwer Memorial
Western States Economic Outlook
(Cosponsored by AUBER)

Chair: Pete PARCELLS, Whitman College, Walla Walla, Washington, USA

Hawaii

Peter FULEKY, Univ. Hawaii, Manoa, USA

Montana

Paul POLZIN, Univ. Montana, Missoula, USA

Washington

Pete PARCELLS, Whitman College, Walla Walla, Washington, USA



Wednesday, 8:00 AM–12:15 PM
Paper Session 5E ~ Kona 1
Remote Regions IV:

Governance, Culture and Development

Chair: Stein ØSTBYE, Uit Arctic Univ. Norway, Tromsø

8:00–8:45

A distributive indigenous political culture is alive and well in Northern Saskatchewan

Bonita BEATTY, Univ. Saskatchewan, Saskatoon, Canada

Discussant: Lee HUSKEY, Univ. Alaska, Anchorage, USA

8:45–9:30

Entrepreneurship and innovation at the edge: Creating inducements for people and place

Prescott C. ENSIGN, Wilfrid Laurier Univ., Waterloo, Ontario, Canada, and Odd Jarl BORCH, Univ. Nordland, Norway

Discussant: Rasmus Ole RASMUSSEN, Nordic Centre Spatial Devt. (NORDREGIO), Sweden

9:30–10:15

Alaska Native Corporations: No longer small and disadvantaged

Greg PROTASEL, Univ. Alaska, Anchorage, USA

Discussant: Gertrude SAXINGER, Univ. Vienna, Austria

Coffee Break: 10:15–10:45

10:45–11:30

Corporate values of indigenous people

Han DONKER, Univ. Alaska, Anchorage, USA

Discussant: Andrew TAYLOR, Charles Darwin Univ., Australia

11:30–12:15

Small and Medium Sized Enterprises (SMEs) in Canada's North: What can we learn from the Business Register?

Pierre-Marcel DESJARDINS, Univ. Moncton, Canada

Discussant: Stein ØSTBYE, Uit Arctic Univ. Norway, Tromsø



Wednesday, 8:45–11:30 AM
Paper Session 5F ~ Kona 2

Location in Space: Applications

Chair: Rick CHURCH, Univ. California, Santa Barbara, USA

8:45–9:30

Spatial uncertainty in public health risk assessment: A case study of valley fever in Arizona

Daoqin TONG, Heidi E. BROWN, Jian LIU, and Wangshu MU, Univ. Arizona, Tucson, USA

Discussant: Sungyup CHUNG, Univ. Illinois, Urbana-Champaign, USA

9:30–10:15

Strategic scheduling of summer break in K-12 traditional school year planning

Alan MURRAY, Univ. California, Santa Barbara, USA

Discussant: David BRASINGTON, Univ. Cincinnati, Ohio, USA

Coffee Break: 10:15–10:45

10:45–11:30

Do schools spend additional revenues to feed Leviathan?

David BRASINGTON, Univ. Cincinnati, Ohio, USA

Discussant: Margherita GEROLIMETTO, Ca'Foscari Univ., Venice, Italy



Wednesday, 8:45 AM–12:15 PM

Paper Session 5G ~ Kona 3

Policy, Place, and the Environment

Chair: Adam ROSE, Univ. Southern California, Los Angeles, USA
8:45–9:30

A study on optimal environmental policy to improve water quality of Lake Kasumigaura: The impact of merger of municipalities in preparation for the 2020 Olympics

Yoshiro HIGANO, Takeshi MIZUNOYA, and Helmut YABAR, Univ. Tsukuba, Japan

Discussant: Prahlad KASTURI, Radford Univ., Virginia, USA

9:30–10:15

Estimating the damage of disease and insect pest outbreak considering spatial diffusion: A case study of Ginseng Anthracnose in Korea

Yongjoon KIM, Donghwan AN, Kwansoo KIM, and Jingyo JUNG, Seoul National Univ., Korea

Discussant: John B. LOOMIS, Colorado State Univ. Fort Collins, USA

Coffee Break: 10:15–10:45

10:45–11:30

Expanding Hawaii's local food market: Does it pay?

Donna J. LEE, Univ. Hawaii, Richard E. HOWITT, Univ. California, Davis, Shawn ARITA, USDA Economic Research Service, and PingSun LEUNG, Univ. Hawaii, Manoa, USA

Discussant: Armando GONZALEZ-CABAN, USDA Forest Service, USA

11:30–12:15

The improvement of farmland pension system by using interrupted time series model

Deokho CHO, Daegu Univ., Korea

Discussant: Richard E. HOWITT, Univ. California, Davis, USA



Wednesday, 12:15–1:30 PM

Lunch Break (On your own this day)



Wednesday, 1:30–5:45 PM

Paper Session 6A ~ Kohala 1

Entrepreneurship

Chair: Pete PARCELLS, Whitman College, Walla Walla, Washington, USA

1:30–2:15

Shale revolution and entrepreneurship: An empirical assessment of the relationship between energy sector expansion and self-employment in U.S.

Alexandra A. TSVETKOVA and Mark D. PARTRIDGE, Ohio State University, Columbus, USA

Discussant: Timothy SLAPER, Indiana Univ., Bloomington, USA

2:15–3:00

Informal event-driven online networks, social capital and entrepreneurial activity

Laurie A. SCHINTLER and Connie L. McNEELY, George Mason Univ., Fairfax, Virginia, USA

Discussant: Johan KLAESSON, Jonkoping International Business School

Coffee Break: 3:00–3:30

3:30–4:15

Entrepreneurship as a career choice—Incorporating family and space into the equation

Toni DURAS and Tina WALLIN, Jönköping International Business School, Sweden

Discussant: Alexandra A. TSVETKOVA, Ohio State University, Columbus, USA

4:15–5:00

Evaluating the determinants of self-employed income across regional economies: An initial assessment

David HUGHES, Univ. Tennessee, Knoxville, David B. WILLIS, Clemson Univ., South Carolina, Kathryn A. BOYS, North Carolina State Univ., Raleigh, and Devin C. SWINDALL, Clemson Univ., South Carolina, USA

Discussant: Pete PARCELLS, Whitman College, Walla Walla, Washington, USA

5:00–5:45

Disentangling innovation in small food firms - The role of external knowledge, support, and collaboration

Sofia WIXE, Lucia NALDI, Pia NILSSON, and Hans WESTLUND, Jönköping International Business School, Sweden

Discussant: Dongwoo KANG, Korea Labor Inst.



Wednesday, 1:30–5:45 PM

Paper Session 6B ~ Kohala 2

Regional Science Academy

1:30–3:00

Business Meeting Founding Members (By invitation only)

Chair: Hans WESTLUND, Jönköping International Business School, Sweden

Coffee Break: 3:00–3:30

Open to All:

Chair: Roger R. STOUGH, George Mason Univ., Fairfax, Virginia, USA

Regional Science Academy Lecture Series:

Great Minds in Regional Science: August Lösch

Peter NIJKAMP, Adam Mickiewicz Univ., Poznan, Poland

The Voice of the Regional Science: Big Data and Developing Countries:

Edward GLAESER, Harvard Univ., Cambridge, Massachusetts, USA

Ex Libris session on: Which Two or Three Regional Science books have been critical to your career, and why?

Gordon MULLIGAN, Univ. Arizona, Tucson, USA

Arthur GETIS, San Diego State Univ., California, USA

Yoshiro HIGANO, Univ. Tsukuba, Japan

Brainshaker results from Founding Members' Opinion Poll: Envisioning experiments on Regional Science Frontiers

Tomaz DENTINHO, Karima KOURTIT, Royal Inst. Technology (KTH), Stockholm, Sweden, Peter NIJKAMP, Adam Mickiewicz Univ., Poznan, Poland, and Vicente ROYUELA

The open session will be followed by the Academy of Regional Science Reception (Grand Staircase)



Wednesday, 1:30–5:00 PM
Paper Session 6C ~ Kohala 3
Graduate Migration

Chair: K. Bruce NEWBOLD, McMaster Univ.,
 Hamilton, Ontario, Canada

1:30–2:15

Transfer of human capital to non-metropolitan economies: University graduates, skills and knowledge in Australia
 Francisco ROWE, Angelina Zhi Rou TANG, and Jonathan CORCORAN, Univ. Queensland, Brisbane, Australia

Discussant: Thomas NIEDOMYSL, Lund Univ., Sweden

2:15–3:00

The role of migration on education-job mismatch: Evidence from overseas graduates in Australia

Angelina Zhi Rou TANG, Jonathan CORCORAN, and Francisco ROWE, Univ. Queensland, Brisbane, Australia

Discussant: Martin ANDERSSON, Lund Univ., Sweden

Coffee Break: 3:00–3:30

3:30–4:15

Job matching and the urban wage premium among Swedish graduates

Lina AHLIN, Lund Univ., Sweden

Discussant: Miriam MARCÉN, Univ. Zaragoza, Spain

4:15–5:00

Moving home again? Never! - The migration patterns of highly educated individuals in Sweden

Charlotta MELLANDER and Lina BJERKE, Jönköping International Business School, Sweden

Discussant: Francisco ROWE, Univ. Queensland, Brisbane, Australia



Wednesday, 1:30–5:00 PM
Paper Session 6D ~ Kohala 4
The Quantified City

Chair: Genevieve GIULIANO,
 Univ. Southern California, Los Angeles, USA

1:30–2:15

Transit proximity premium and rental price segmentation: A quantile spatial hedonic analysis of Shanghai Metro

Yiming WANG, Univ. College London, United Kingdom

Discussant: Genevieve GIULIANO, Univ. Southern California, Los Angeles, USA

2:15–3:00

Industrial structure in urban accounting

Jun OSHIRO, Okinawa Univ., and Yasuhiro SATO, Osaka Univ., Japan

Discussant: Özge ÖNER, Jönköping International Business School, Sweden

Coffee Break: 3:00–3:30

3:30–4:15

Cities and economic growth

Peter GORDON, Univ. Southern California, Los Angeles, USA

Discussant: Steven FARBER, Univ. Toronto, Canada

4:15–5:00

Polycentricity and the evolution of metropolitan spatial structure

Yuting HOU, Genevieve GIULIANO, Sanggyun KANG, and Eun-jin SHIN, Univ. Southern California, Los Angeles, USA

Discussant: Johan P. LARSSON, Jönköping International Business School, Sweden



Wednesday, 1:30–5:00 PM
Paper Session 6E ~ Kona 1
Dealing With Disasters

Chair: Deokho CHO, Daegu Univ., Korea

1:30–2:15

Bonding, bridging and linking networks for efficiency of earthquake waste management in Japan

Kiyomi KAWAMOTO, Hokkaido Univ. Education, Japan, and Karl KIM, Univ. Hawaii, Manoa, USA

Discussant: Donghwan AN, Seoul National Univ., Korea

2:15–3:00

Demonstrating the advantages of simultaneously modeling the economic consequences of multiple disasters using Computable General Equilibrium modeling

Fynn PRAGER, California State Univ., Dominguez Hills, Zhenhua CHEN, Univ. Southern California, Los Angeles, and Adam ROSE, Univ. Southern California, Los Angeles, USA

Discussant: Kiyomi KAWAMOTO, Hokkaido Univ. Education, Japan

Coffee Break: 3:00–3:30

3:30–4:15

Flood disaster management in Uttarakhand and the Himalayan region

Prahlad KASTURI, Radford Univ., Virginia, USA

Discussant: Jose SANCHEZ, USDA Forest Service, USA

4:15–5:00

Do forest fuel reduction treatments reduce wildfire suppression costs and property damages? A Multi-Regional nationwide analysis of determinants of USDA Forest Service wildfire suppression costs and wildfire property damages

John B. LOOMIS and Robin REICH, Colorado State Univ., Fort Collins, Armando GONZALEZ-CABAN and Jose SANCHEZ, USDA Forest Service, and Douglas RIDEOUT, Colorado State Univ., Fort Collins, USA

Discussant: Yongjoon KIM, Seoul National Univ., Korea



**Submitting Papers to:
 The Annals of Regional Science**

Annual Meeting participants are cordially invited to submit their papers to WRSA's official journal, *The Annals of Regional Science*. All three coeditors, Martin Andersson, Euijune Kim, and Janet Kohlhase, are here in Hawaii and will be happy to discuss potential submissions.

Wednesday afternoon program continues on page 16...



Wednesday, 1:30–5:00 PM
Paper Session 6F ~ Kona 2
Location in Space: Methods

Chair: Serge REY, Arizona State Univ., Tempe, USA

1:30–2:15

Spatial distribution dynamics

Margherita GEROLIMETTO, Ca'Foscari Univ., Venice, Italy

Discussant: Rick CHURCH, Univ. California, Santa Barbara, USA

2:15–3:00

Spatial autocorrelation and the p-median problem: A preliminary analysis

Daniel A. GRIFFITH, Univ. Texas, Dallas, USA

Discussant: Serge REY, Arizona State Univ., Tempe, USA

Coffee Break: 3:00–3:30

3:30–4:15

A short exercise to assess the consequences of temporal and spatial aggregation on the observed spatial interactions

Sungyup CHUNG and Geoffrey J.D. HEWINGS, Univ. Illinois, Urbana-Champaign, USA

Discussant: Daniel A. GRIFFITH, Univ. Texas, Dallas, USA

4:15–5:00

TRANSMAX II: an extended model for transit route optimization

Rick CHURCH and Timothy J. NIBLETT, Univ. California, Santa Barbara, USA

Discussant: Daoqin TONG, Univ. Arizona, Tucson, USA



Wednesday, 1:30–5:45 PM
Paper Session 6G ~ Kona 3
WERA-1018 Paper Session

Chair: Thomas K. FOULKE, Univ. Wyoming, Laramie, USA

1:30–2:15

A simplified history of grazing economics within the Bureau of Land Management

Julie A. SUHR PIERCE, U.S. Bureau Land Management, Neil RIMBEY, Univ. Idaho, Moscow, and David T. TAYLOR and John TANAKA, Univ. Wyoming, Laramie, USA

Discussant: Paul LEWIN, Univ. Idaho, Moscow, USA

2:15–3:00

A social and economic survey of public land ranchers

Kristie MACZKO, Brianne LIND, and John TANAKA, Univ. Wyoming, Laramie, USA

Discussant: Julie A. SUHR PIERCE, U.S. Bureau Land Management, USA

Coffee Break: 3:00–3:30



3:30–4:15

Core- and periphery-community dynamics on the range: A replicated socioeconomic assessment in southwestern Idaho

Paul LEWIN, Scott JENSEN, Neil RIMBEY, and J.D.

WULFHORST, Univ. Idaho, Moscow, USA

Discussant: David T. TAYLOR, Univ. Wyoming, Laramie, USA

4:15–5:00

Economic impacts of sage grouse management in Wyoming: The 9-Plan

David T. TAYLOR and Thomas K. FOULKE, Univ. Wyoming, Laramie, USA

Discussant: John RITTEN, Univ. Wyoming, Laramie, USA

5:00–5:45

Management implications of increasing seasonal precipitation and source of supplemental funds on SE Wyoming cattle producers

John RITTEN, Tucker HAMILTON, and Christopher BASTIAN, Univ. Wyoming, Laramie, Justin DERNER, United States Dept. Agriculture, and John TANAKA, Univ. Wyoming, Laramie, USA

Discussant: Kristie MACZKO, Univ. Wyoming, Laramie, USA



Wednesday, 1:30–5:00 PM
Paper Session 6H ~ Kona 4
Regional Fiscal Issues

Chair: Peter G. MCGREGOR, Strathclyde Univ., Glasgow, United Kingdom

1:30–2:15

The income tax Laffer curve in Sweden

Martin NORDSTRÖM and Emelie VÄRJA, Örebro Univ., Sweden

Discussant: Karl R. GEISLER, New Mexico State Univ., Las Cruces, USA

2:15–3:00

Does the restrictiveness of state tax and expenditure limitations affect state environmental spending?

Suho BAE and Eun-Ju KIM, Sungkyunkwan Univ., and Soogwan DOH, Catholic Univ. Daegu, Korea

Discussant: Chen YUFU, Inst. Geographic Sciences and Natural Resources Research

Coffee Break: 3:00–3:30

3:30–4:15

An exploratory study of the regional distribution of health care funding in Canada

Michael FARRELL, Univ. Québec, Trois-Rivières, Canada

Discussant: Peter G. MCGREGOR, Strathclyde Univ., Glasgow, United Kingdom

4:15–5:00

State budgetary rules and their impacts on medicaid spending

Suho BAE, Sungkyunkwan Univ., Seoul, and Miseung SHIM, Chonnam National Univ., Korea

Discussant: Donata FAVARO, Univ. Padova, Italy

(Conference ends at 5:45 PM)





Program Participant Locator

Session assignments are listed following each participant's name:

1A, 1B, 1C, 1D on Monday morning
2A, 2B, 2C, 2D, 2E, 2F, 2G on Monday afternoon

3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H on Tuesday morning
4A, 4B, 4C, 4D, 4E, 4F, 4G on Tuesday afternoon

5A, 5B, 5C, 5D, 5E, 5F, 5G on Wednesday morning
6A, 6B, 6C, 6D, 6E, 6F, 6G, 6H on Wednesday afternoon

OS = Opening Session on Sunday afternoon

WB= WRSA Board Meeting on Monday morning

GO = Getis-Ord Lecture in Spatial Analysis on Monday afternoon

AL = Annual Banquet Luncheon on Tuesday

Roman typeface (regular font) indicates a paper author, panelist, or speaker; **Boldface** indicates a session chair; *Italics* indicate a paper discussant.

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The 57 WRSA Presidents

| | | |
|------------------|-----------|------------------------|
| 1 st | 1960–1961 | William Golder |
| 2 nd | 1961–1962 | Morgan D. Thomas |
| 3 rd | 1962–1963 | James N. Tattersall |
| 4 th | 1963–1964 | William S. Peters |
| 5 th | 1964–1965 | John W. Dyckman |
| 6 th | 1965–1966 | Charles M. Tiebout |
| 7 th | 1966–1967 | Fred E. Case |
| 8 th | 1967–1968 | Paul F. Wendt |
| 9 th | 1968–1969 | Harold L. Buma |
| 10 th | 1969–1970 | Bernard Udis |
| 11 th | 1970–1971 | Edward L. Ullman |
| 12 th | 1971–1972 | Anthony H. Pascal |
| 13 th | 1972–1973 | Donald A. Watson |
| 14 th | 1973–1974 | Charles L. Leven |
| 15 th | 1974–1975 | Shelly Mark |
| 16 th | 1975–1976 | Frank G. Mittelbach |
| 17 th | 1976–1977 | Martin Beckmann |
| 18 th | 1977–1978 | Parzival Copes |
| 19 th | 1978–1979 | David Seymour |
| 20 th | 1979–1980 | Werner Hirsch |
| 21 st | 1980–1981 | Lee Attaway |
| 22 nd | 1981–1982 | Niles Hansen |
| 23 rd | 1982–1983 | Sol Rabin |
| 24 th | 1983–1984 | Robert Keyes |
| 25 th | 1984–1985 | Nina Gruen |
| 26 th | 1985–1986 | Jack Knetsch |
| 27 th | 1986–1987 | Gunter Schramm |
| 28 th | 1987–1988 | Bernard Malamud |
| 29 th | 1988–1989 | Harry W. Richardson |
| 30 th | 1989–1990 | Paul E. Polzin |
| 31 st | 1990–1991 | Michael J. Greenwood |
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| 33 rd | 1992–1993 | Theodore Lane |
| 34 th | 1993–1994 | Richard L. Morrill |
| 35 th | 1994–1995 | John E. Keith |
| 36 th | 1995–1996 | Antoine S. Bailly |
| 37 th | 1996–1997 | Jon R. Miller |
| 38 th | 1997–1998 | Jack C. Stabler |
| 39 th | 1998–1999 | Lay James Gibson |
| 40 th | 1999–2000 | Arthur Getis |
| 41 st | 2000–2001 | John M. Quigley |
| 42 nd | 2001–2002 | Brenda Moscove |
| 43 rd | 2002–2003 | Roger Stough |
| 44 th | 2003–2004 | Koichi Mera |
| 45 th | 2004–2005 | Juanita Liu |
| 46 th | 2005–2006 | Lee Huskey |
| 47 th | 2006–2007 | Jack W. Osman |
| 48 th | 2007–2008 | Geoffrey J. D. Hewings |
| 49 th | 2008–2009 | T. John Kim |
| 50 th | 2009–2010 | David W. Holland |
| 51 st | 2010–2011 | Robert J. Stimson |
| 52 nd | 2011–2012 | Warren Gill |
| 53 rd | 2012–2013 | Peter Gordon |
| 54 th | 2013–2014 | Hans Westlund |
| 55 th | 2014–2015 | Serge Rey |
| 56 th | 2015–2016 | K. Bruce Newbold |
| 57 th | 2016–2017 | David A. Plane |

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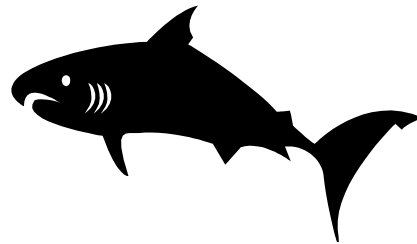
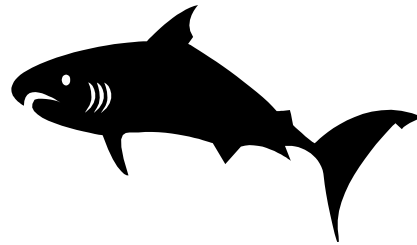
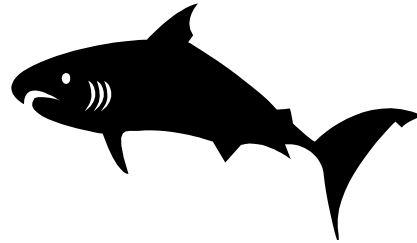
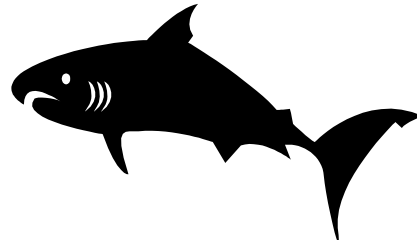
“The Way Academic Life Should Be”



How many have you attended?

WRSA Meeting History

| | |
|------|---|
| 54th | Loews Ventana Canyon Resort, Tucson, AZ |
| 53rd | Paradise Point Resort, San Diego, CA |
| 52nd | Fess Parker's Doubletree, Santa Barbara, CA |
| 51st | Sheraton Kauai, Poipu, HI |
| 50th | Monterey Plaza Hotel, Monterey, CA |
| 49th | Hilton Sedona, Sedona, AZ |
| 48th | Silverado Resort, Napa, CA |
| 47th | Hilton Waikoloa Village Resort, Hawaii, HI |
| 46th | Hyatt Regency, Newport Beach, CA |
| 45th | La Fonda, Santa Fe, NM |
| 44th | Hyatt Regency Islandia, San Diego, CA |
| 43rd | Marriott Wailea Resort, Maui, HI |
| 42nd | Rio Rico Resort, Rio Rico, AZ |
| 41st | Hyatt Regency Monterey, Monterey, CA |
| 40th | Riviera Resort & Racquet Club, Palm Springs, CA |
| 39th | Sheraton Kauai Resort, Poipu, HI |
| 38th | Ojai Valley Inn, Ojai, CA |
| 37th | Hyatt-Regency Monterey, Monterey, CA |
| 36th | The Royal Waikoloan Resort, Waikoloa, HI |
| 35th | Silverado Country Club and Resort, Napa, CA |
| 34th | San Diego Princess Resort, San Diego, CA |
| 33rd | Westward Look Resort, Tucson, AZ |
| 32nd | Maui Inter-Continental Resort, Wailea, Maui, HI |
| 31st | Caesar's Tahoe Resort, South Lake Tahoe, NV |
| 30th | Monterey Plaza Hotel, Monterey, CA |
| 29th | Kaluokoi Hotel, Molokai, HI |
| 28th | San Diego Princess Resort, San Diego, CA |
| 27th | Silverado Country Club, Napa, CA |
| 26th | Kona Surf Resort, Keauhou, Hawaii, HI |
| 25th | Surf and Sand Hotel, Laguna Beach, CA |
| 24th | Hotel Del Coronado, Coronado (San Diego), CA |
| 23rd | Casa Munras Hotel, Monterey, CA |
| 22nd | The Prince Kuhio Hotel, Honolulu, HI |
| 21st | Miramar Hotel, Santa Barbara, CA |
| 20th | Newporter Inn, Newport Beach, CA |
| 19th | Doubletree Inn, Monterey, CA |
| 18th | Vacation Village Hotel, San Diego, CA |
| 17th | Mansion Inn, Sacramento, CA |
| 16th | Doubletree Inn, Tucson, AZ |
| 15th | Vacation Village Hotel, San Diego, CA |
| 14th | The Riviera Hotel, Palm Springs, CA |
| 13th | Edgewater Hyatt House, Long Beach, CA |
| 12th | Del Monte Hyatt House, Monterey, CA |
| 11th | Vacation Village Hotel, San Diego, CA |
| 10th | Santa Barbara Biltmore Hotel, Santa Barbara, CA |
| 9th | Vacation Village Hotel, San Diego, CA |
| 8th | Newporter Inn, Newport Beach, CA |
| 7th | Vacation Village Hotel, San Diego, CA |
| 6th | (Meeting site unknown), Las Vegas, NV |
| 5th | Santa Barbara Inn, Santa Barbara, CA |
| 4th | Meeting site and dates unknown |
| 3rd | Student Union, Arizona State Univ., Tempe, AZ |
| 2nd | Student Union, Univ. Oregon, Eugene, OR |
| 1st | Univ. California, Berkeley, Berkeley, CA |



Previous Winners of the Charles M. Tiebout Prize in Regional Science (How many do you know?)

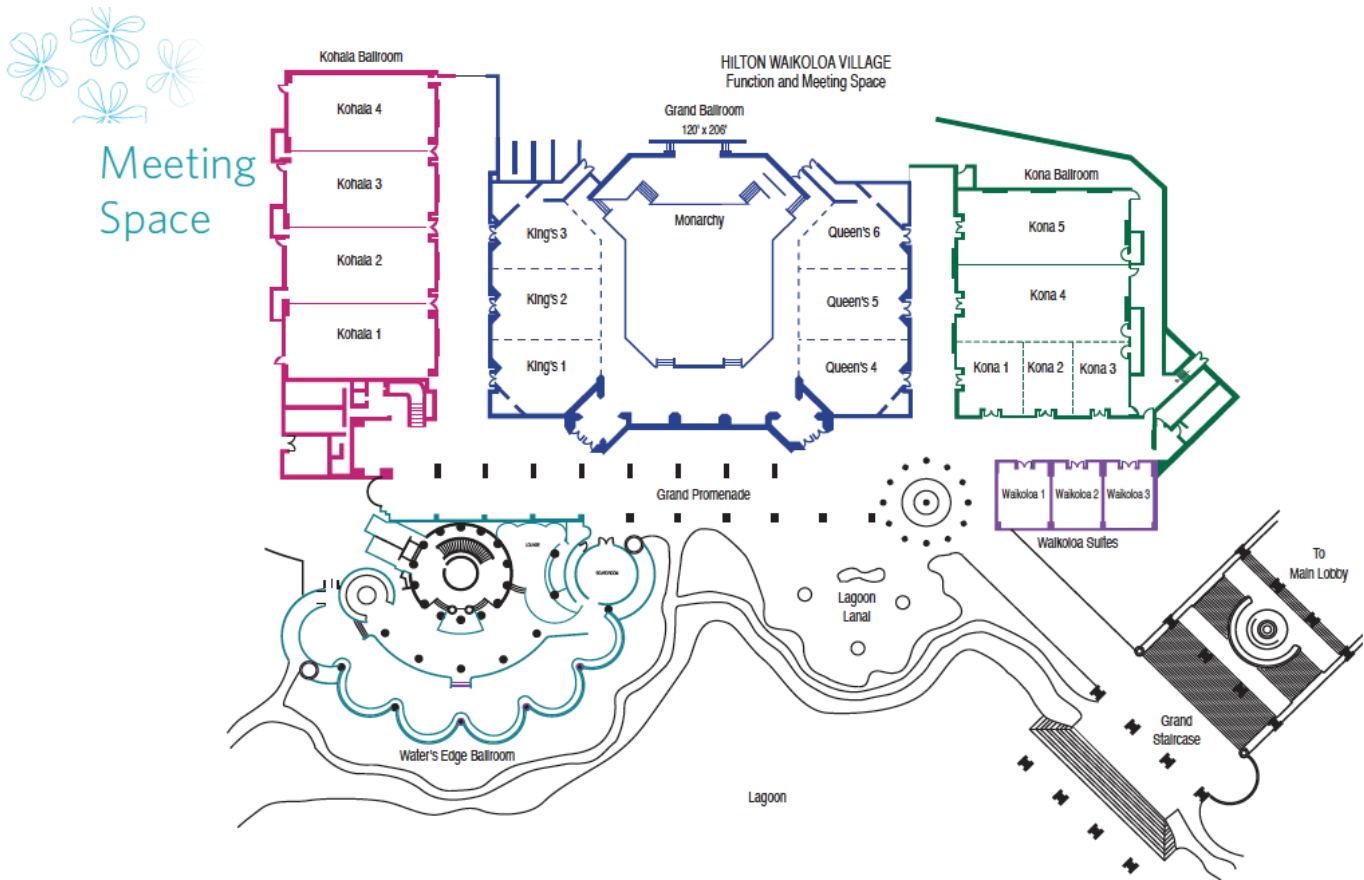
This year marks the 30th year of the Tiebout Prize. The Prize is awarded to the best paper submitted by a graduate student. The winner receives \$1,000 to help defray the costs associated with attending the conference.

The Tiebout Prize is awarded in honor of the outstanding contributions to regional science made by Charles M. Tiebout before his untimely death in 1968. In addition to his scholarly achievements, “Charlie” Tiebout brought wit, irreverence, and goodwill to everything he did and everyone he knew. He was particularly good in advising, counseling, and encouraging graduate students; thus, it is fitting that the WRSA’s annual prize bearing his name be awarded to the best graduate student paper in regional science.

- 29th** (2015): **Sungyup Chung**, University of Illinois, “Assessing the Regional Business Cycle Asymmetry in a Multi-level Structure Framework: A Study of the Top 20 U.S. MSAs.”
- 28th** (2014): **Zhenhua Chen**, George Mason University, “Multilevel Assessment of Public Transportation Infrastructure: A Spatial Economic Computable General Equilibrium Approach.”
- 27th** (2013): **Douglas Wrenn**, Ohio State University, “Time is Money: An Empirical Examination of the Dynamic Effects of Regulatory Uncertainty on Residential Subdivision Development.”
- 26th** (2012): **Carlianne Patrick**, Ohio State University, “Do More Economic Development Incentives Result in More Jobs? An Examination of the Influence of the Economic Development Incentives Environment on County Jobs in the U.S., 1970–2000.”
- 25th** (2011): **Pengyu Zhu**, University of Southern California, “Are Telecommuting and Personal Travel Complements or Substitutes?”
- 24th** (2010): **Colleen Donovan**, University of California, Berkeley, “Direct Democracy, Term Limits, and Fiscal Decisions in U.S. Municipalities.”
- 23rd** (2009): **Yiming Wang**, University of Southern California, “White Flight in Los Angeles County, 1960–1990: A Model of Fuzzy Tipping.”
- 22nd** (2008): **Haifeng Qian**, George Mason University, “Talent, Creativity, and Regional Economic Performance: The Case of China.”
- 21st** (2007): **Michael Wenz**, Winona State University, “Matching Estimation, Casino Gambling and the Quality of Life.”
- 20th** (2006): **Rocco R. Huang**, The University of Amsterdam, The Netherlands, “Industry Choices and Social Interactions of Entrepreneurs: Identification by Residential Address.”
- 19th** (2005): **Shaoming Cheng**, George Mason University, “How Can Western China Attract FDI? A Case of Japanese Investment.”
- 18th** (2004): **Sandy Dall’Erba**, Université de Pau, France, “Productivity Convergence and Spatial Dependence Among Spanish Regions.”
- 17th** (2003) (Co-winners): **Chokri Dridi**, University of Illinois, Urbana-Champaign, “Toward a Quantitative Analysis of Industrial Clusters: Shapely Value, Entropy, and Fuzzy Measures,” and **Bhanu Yerra**, University of Minnesota, “The Emergence of Hierarchy in Transportation Networks.”
- 16th** (2002): **Tracy Gordon**, University of California, Berkeley, “Crowd Out or Crowd In?: The Effects of Common Interest Developments on Political Participation in California.”
- 15th** (2001): **Brian Mikelbank**, Ohio State University, “Spatial Analysis of the Relationship between Housing Values and Investments in Transportation Infrastructure.”
- 14th** (2000): **Arno van der Vlist**, Free University of Amsterdam, The Netherlands, “Patterns of New Household Formation and Residential Career.”
- 13th** (1999): **Kara Kockelman**, University of Texas, Austin, “A Utility-Theory-Consistent System-of-Demand Equations Approach to Household Travel Choice.”
- 12th** (1998): **Alexander C. Vias**, University of Arizona, “An Analysis of Population and Employment Growth in the Rocky Mountain West, 1970–95.”
- 11th** (1997) (Co-winners): **SeongWoo Lee** and **Woo Suk Zhee**, University of Southern California, “Independent and Linked Migration: Individual Returns of Employment Opportunity and Household Returns of Poverty to African-American Inter-State Migration in 1975–78 and 1985–88.”
- 10th** (1996): **Steven P. Raphael**, University of California, Berkeley, “The Spatial Mismatch Hypothesis of Black Youth Unemployment: Evidence from the San Francisco Bay Area.”
- 9th** (1995): **David M. Levinson**, University of California, Berkeley, “Location, Relocation, and the Journey-to-Work.”
- 8th** (1994): **Ricardo Gazel**, University of Illinois, “Measuring Regional Economic Effects of International Trade: A Pledge for Better Policy.”
- 7th** (1993) (Co-winners): **Hsin-Ping Chen**, University of California, Irvine, “The Simulation of the Proposed Nonlinear Dynamic Urban Growth Model” and **Alastair McFarlane**, University of Michigan, “Taxing Developers.”
- 6th** (1992): **Henry Buist**, University of Pennsylvania, “Firm Relocation, Suburbanization, and Central City Problems.”
- 5th** (1991): **Katherine M. O’Regan**, University of California, Berkeley, “The Spatial Concentrations of Household by Race and Income Level: Labor Market Outcomes, Social Networks, and the Economics of Information.”
- 4th** (1990): **T. Wong**, University of Manitoba, “Theories of Development and the Experience of Taiwan.”
- 3rd** (1989): **Scott Campbell**, University of California, Berkeley, “From Dust Bowl to Defense Buildup: Labor Migration and Regional Development during the Second World War.”
- 2nd** (1988): **Stephen J. Appold**, University of North Carolina, “The Location of Industrial Research Laboratories.”
- 1st** (1987): **Timothy J. Fik**, University of Arizona, “Competing Central Places and the Spatially Autocorrelated, Seemingly Unrelated Regression System.”

Notes:

Meeting Room Locations at the Hilton Waikoloa Village



Our Meeting Venue:
Hilton Waikoloa Village
69-425 Waikoloa Beach Drive
Waikoloa Village, Hawaii 96738

Phone: 808-886-1234